



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Toshihiko SHIRAIWA et al.

Atty. Ref.: 1035-661

Serial No. 10/593,488

TC/A.U.: To be assigned

**U.S. National Phase of PCT/ JP2005/005780
International Filing Date: March 28, 2005**

Examiner: To be assigned

For: METHOD OF ANALYZING PANCREATIC β -CELL AMOUNT AND/OR
PANCREATIC β -CELL FUNCTION AND UTILIZATION THEREOF

* * * * *

November 1, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REQUEST FOR CORRECTED PTO-1449 FOR PREVIOUSLY FILED IDS

This corrected PTO-1449 for an IDS is submitted merely to correct some minor errors under "Foreign Patent Documents" that were in the previous IDS filed September 20, 2006. The first correction is in the 2nd document which should be "Vol. 51"; the second correction is in the 3rd document wherein the name YASUKE is misspelled and should be "YUSUKE"; and the third correction is in the 12th document wherein the word adaption is misspelled and should be "Adaptation". References are not provided herein, since they were submitted with the previous IDS. It is requested that the Examiner initial and return a copy of the corrected PTO-1449 attached hereto to the undersigned.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

Frank P. Presta
Reg. No. 19,828

FPP:lcb

901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

Sheet 1 of 1



(use several sheets if necessary)

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO.	SERIAL NO.
	1035-661	10/593,488
APPLICANT		
Toshihiko SHIRAIWA et al.		
FILING DATE	TC/A.U.	
September 20, 2006	To be assigned	

U.S. PATENT DOCUMENTS

*EXAMIN	FILING DATE	

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLAS	TRANSLATIO YES	NO
WO 03/068357 A2	8/21/2003	WO			X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

International Search Report dated July 5, 2006 (Japanese); PCT/JP2005/005780
1. C.W. Beck, "Gut specific expression using mammalian promoters in transgenic Xenopus laevis" Mechanisms of Development, 1999, Vol. 88, p. 221-227.
2. DANIELLE Melloul, "Section 2: β -Cell Genes: Functional Aspects Regulation of pdx-1 Gene Expression", DIABETES, 2002, Vol. 51, supp. 3, p. S320-S325.
3. YUSUKE Moritoh, "Analysis of Insulin-Producing Cells During In Vitro Differentiation From Feeder-Free Embryonic Stem Cells", DIABETES, 2003, Vol. 52, No. 5, p. 1163-1168.
4. MAUREEN Gannon, "Regulatory Regions Driving Developmental and Tissue-Specific Expression of the Essential Pancreatic Gene pdx1" Developmental Biology, 2001, Vol. 238, p. 185-201.
5. SUSAN C. Campbell, "Regulation of the pdx1 gene promoter in pancreatic β -cells", Biochemical and Biophysical Research Communications, 2002, Vol. 299, pp. 277-284.
6. KEVIN Gerrish, "Pancreatic β Cell-specific Transcription of the pdx-1 Gene", The Journal of Biological Chemistry 2000, Vol. 275, No. 5, p. 3485-3492.
7. "Analysis of Expression Regulatory Mechanism for Pancreatic β cell-specific gene" (Yoshitaka KAJIMOTO. Diabetes, 43(3), 2000, pp. 179-181).
8. Pancreatic Morphogenetic Genes and Abnormalities" (Yoshitaka KAJIMOTO et al., G.I. Research, Vol. 9, No. 3, 2001, pp. 57 (241)-64(248)).
9. "Beneficial Effects of Antioxidants in Diabetes. -Possible Protection of Pancreatic β -Cells Against Glucose Toxicity-" (Hideaki KANETO et al., Diabetes, Vol. 48, December 1999, p2398 - p2406).
10. "Glucose Toxicity in β -Cells: type 2 Diabetes, Good Radicals Gone Bad, and the Glutathione Connection", (R. Paul ROBERTSON et al., Perspectives in Diabetes, Diabetes, Vol. 52, March 2003, p581-587).
11. "Prevention of Glucose Toxicity in HIT-T15 Cells and Zucker Diabetic Fatty Rats by Antioxidants" (Yoshito TANAKA et al., Proc. Natl. Acad. Sci. USA Vol. 96. 1999, pp10857-10862).
12. " β -Cell Adaptation and Decompensation During the Progression of Diabetes' (Gordon C. WEIR et al., Diabetes, Vol. 50, Supplement 1, 2001, pp S154-S159).
13. "Glycation-Dependent, Reactive Oxygen Species-Mediated Suppression of the Insulin Gene Promoter Activity in HIT Cells" (Taka-aki MATSUOKA et al., J. Clin. Invest. Vol. 99, No. 1, 1997, pp144—150).

*Examiner	Date Considered
-----------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.